

referring to map data in the map database, and generating route guidance data to guide a vehicle to at least one node point on the optimum route;

the navigation terminal inside the vehicle, for calculating the present position of the vehicle, transmitting the vehicle's current position information to the information center, receiving the route guidance data, and announcing a notification message about the node point by voice in a predetermined period before the vehicle passes through the node point, the navigation terminal comprising a mobile terminal; and

a wireless communication network for connecting the information center to the navigation terminal via the mobile terminal wirelessly.

3. (Amended) The navigation system of claim 2, wherein the navigation terminal comprises:

an ITS (Intelligent Transportation System) terminal having a GPS (Global Positioning System) device for calculating the present vehicle position.

12. (Amended) A method of guiding a vehicle's travel in a navigation system having an information center with a map database, a navigation terminal inside the vehicle for calculating a present position of the vehicle and comprising a mobile terminal, and a wireless communication network for connecting the information center to the navigation terminal wirelessly, comprising the steps of:

transmitting information about the present vehicle position and a destination from the navigation terminal to the information center via the mobile terminal and the wireless communication network;

searching out an optimum route between the present vehicle position and the destination based on map data from the map database at the information center;

generating route guidance data for guiding the vehicle to at least one node point on the optimum route at the information center and transmitting the route guidance data from the information center to the navigation terminal via the mobile terminal and the wireless communication network; and

announcing a notification message about the node point by voice in a predetermined period before the vehicle passes through the node point based on the route guidance data at the navigation terminal.

Please add the following new claims:

49. (New) The navigation system as in Claim 1, wherein the mobile terminal is removable from the navigation terminal.

50. (New) The navigation system as in Claim 1, wherein the mobile terminal provides a voice call service.

51. (New) The method as in Claim 12, wherein the mobile terminal is removable from the navigation terminal.